



## CURRICULUM VITAE

<b>Name:</b>	Hemalata R Zinage	
<b>Designation:</b>	Assistant Professor	
<b>Department:</b>	Electrical and Electronics Engineering	
<b>Specialization &amp; Research Interests:</b>	Electrical Power System	
<b>Email IDs (Official &amp; Personal)</b>	hrzinage.eee@hsit.ac.in	
<b>Mobile No.:</b>	8073512609	
<b>Address:</b>	HIT Staff Quarters, Nidasoshi District: Belagavi Karnataka - 591236	

### 2. ACADEMIC QUALIFICATION(in reverse Chronological order):

Degree	Year	University/Board
M.Tech.	2010	Shivaji University, Kolhapur
B.E.	1999	KUD, Dharwar

**3. ANY OTHER QUALIFICATION: -****4. PROFESSIONAL EXPERIENCE:**

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology, Nidasoshi	Lecturer	12-12-2000 to 30-01-2008
Hirasugar Institute of Technology, Nidasoshi	Sr. Lecturer	01-02-2008 to 30-11-2010
Hirasugar Institute of Technology, Nidasoshi	Asst. Professor	01-12-2010 to till date

**5. ADMINISTRATIVE ASSIGNMENTS:**

Position Held	Duration	Nature of Work
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**6. COURSES TAUGHT:**

- Power System Operation & Control
- Power System Analysis-II
- Power System Analysis-I
- Computer Techniques in Power System Analysis & Stability
- Sensors & Transducers
- Micro and Nano Scale Sensors & Transducers
- Management & Entrepreneurship
- Microprocessors
- Logic Design
- Analog Electronics
- Electrical & Electronics Measurements
- Electrical Power Generation
- Network Analysis
- Basic Electrical Engineering
- Transmission and Distributi

**7. RESEARCH SUPERVISION:****A. Ph.D.:**

- i. Awarded : ---
- ii. Submitted : ---
- iii. Ongoing : ---

**B: M.Tech.**

- i. Awarded : ---
- ii. Submitted : ---
- iii. Ongoing : ---

**C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):**

- i. Awarded : 25
- ii. Submitted : --
- iii. Ongoing : 01

**8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:**

- ✓ Delivered a guest lecture on “Analysis of symmetrical multistage voltage multiplier” at Walchand college of engineering Sangli on 23/08/2010
- ✓ Conducted one day workshop on “LabView” on 9<sup>th</sup> Nov 2013 at HIT Nidasoshi.
- ✓ Organized a Four days workshop on “Baiscs of MATLAB and Simulink” for EEE students by Abeyaantrix SoftLab OPC Pvt. Ltd., Davangere during 19<sup>th</sup> to 22<sup>nd</sup> September 2019.
- ✓ Organized Seminar on “Role of Youth in Nation Building” for EEE students by Shri. Arjun Koli, Ex-Serviceman, Indian Army on 4<sup>th</sup> October 2019.
- ✓ Organized a Seminar on “Recent Developments in Smart Grid” for EEE students by Prof. R. L. Chakrasali, Dean Academic Program and R&D, SDM CET, Dharwad 5<sup>th</sup> November 2019.
- ✓ Organized and participated in the Energy Fest on 29<sup>th</sup> December 2019 on the eve of “National Energy Conservation Week” in association with Karnataka Renewable Energy Development Ltd., Govt. of Karnataka.
- ✓ Organized a national level online Quizon “Power system Engineering” during 3/07/2020 to 5/07/2020

- ✓ Four days workshop on “MATLAB and Simulink” for EEE students by Abeyaantrix Soft Lab OPC Pvt. Ltd., Davangere during 8<sup>th</sup> to 11<sup>th</sup> December 2021.
- ✓ Organized a webinar on “PCB Design “for EEE Students on 24-07-2023

## 9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

- Life time member of “Indian Society for Technical Education”, with Membership ID: LM101090.

## 10. PUBLICATIONS:

### A. BOOKS/MONOGRAPHS:

1. Authored: Chapter-1 “*Migrants and economy: a two faces of same coin*” of book entitled: “**LABOUR MIGRATION: POST COVID 19**”
2. Edited:

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### B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

1. Published a research paper on “Design And Development Of Arduino Based Battery Operated Vehicle For Agriculture Application” in international journal of electrical and electronics engineering ,o-ISSN 2321-2055 ISSN(P) 2321-2045 vol-15,issue no. 2 July-Dec-2023.
2. Published a research paper on “Plant Leaf Disease Detection Using Image Processing” in a international Journal of creative research and thoughts © 2023 IJCRT | Volume 11, Issue 7 July 2023 | ISSN: 2320-2882
3. Published a paper on “Rail-Box A new form of Renewable Energy Source” in a international Journal of creative research and thoughts, © 2022 IJCRT | Volume 10, Issue 10 October 2022 | ISSN: 2320-2882
4. Published a paper on “Rail-Box A new form of Renewable Energy Source” in a international Journal of creative research and thoughts, © 2022 IJCRT | Volume 10, Issue 10 October 2022 | ISSN: 2320-2882
5. presented a paper titled A Context-aware Vehicle Anti-theft and alert system using Geofence at National Conference on Engineering Applications of Emerging Technology (NCEAET-2021) organized by the Department of Computer Science and Engineering at Global Academy of Technology, Bengaluru on 15th July 2021
6. Published a paper on “**Advanced Hybrid Electric Vehicle**” in a Journal of Composition Theory, Volume 12, Issue 6, June 2019, UGC Approved & 5.7 Impact Factor, and ISSN: 0731-6755.
7. Published a paper on “**Automated /Manual switching of fuel engine to electrical motors**” in a Journal of emerging technologies and innovative research, vol-5,issue no. 8, aug2018, ISSN:2349-5162

8. Published a paper on “**Quasi- Z-source inverter for photovoltaic power generation system**” in a Journal of advances in science and technology, vol-12, issue no. 25, Dec 2016, ISSN:2230- 9659
9. Published a paper on “**Design and implementation of smart automobile system**” in Journal of advances in science and technology, vol-12, issue no. 25, Dec 2016, ISSN: 2230-9659
10. Presented & published a paper on “**Water harvesting for young trees using peltier plates powered by sola photovoltaic cells**” in a national conference on ‘Advanced Technologies in Electrical and Electronics Systems’ on 21<sup>st</sup> and 22<sup>nd</sup> March 2014 held at GIT, Belgaum, Karnataka.
11. Presented and Published a Paper Entitled “**Performance analysis of symmetrical multistage voltage multipliers using MATLAB**” at International conference on Emerging Trends in Engineering (**ICETE-2010**) , held on Feb 2010 at Dr. J.J Magadum college of Engineering, Jayasingpur

### **C. PAPERS IN CONFERENCES PROCEEDINGS:**

- 1) Presented a research paper on “Design And Development Of Arduino Based Battery Operated Vehicle For Agriculture Application” during the “International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)” held on 8-9 December 2023 organised by Hirasugar Institute of Technology, Nidasoshi.
- 2) Presented a paper on “Design and implementation of advanced plant leaf disease detection and climate parameter monitoring of plant” in a international conference on energy, control, computing and electronic system” at Sree Vidhyaniketan Engineerin College Rangampet Tirupati Mohan Babu University held during 29-30 Dec 2022.
- 3) Presented a paper on “**Design and implementation of intelligent vehicle safety system**” in First Online International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities (ICCIASH-2020) organized by Department of Science and Humanities, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India on 13th & 14th August 2020.
- 4) Presented a paper on “**Advanced Hybrid Electric vehicle**” in 2<sup>nd</sup> international conference on ‘Recent Innovations in Science, Engineering and Technology’ on 18th July 2019 held at HIT, Nidasoshi, Karnataka.
- 5) Presented a paper on “**Quasi- Z-source inverter for photovoltaic power generation system**” in a international conference on “Recent innovation in engineering” on 8<sup>th</sup> & 9<sup>th</sup> of Oct 2016 held at HIT, Nidasoshi, Karnataka
- 6) Presented a paper on “**Design and implementation of smart automobile system**” in a international conference on “Recent innovation in engineering” on 8<sup>th</sup> & 9<sup>th</sup> of Oct 2016 held at HIT, Nidasoshi, Karnataka

- 7) Presented a paper on “**Water harvesting for young trees using peltier plates powered by solar photovoltaic cells**” in a national conference on ‘Advanced Technologies in Electrical and Electronics Systems’ on 21<sup>st</sup> and 22<sup>nd</sup> March 2014 held at GIT, Belgaum, Karnataka.

### 11. Patents/Copyrights/IPR (If Any)

### 12. INVITED TALKS:

1. Invited talk on “**Analysis of symmetrical multistage voltage multipliers**” on 23/08/2010 at Walchand College of Engineering, Sangli.

### 13. RESEARCH PROJECTS (COMPLETED/ONGOING):

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### 14. PARTICIPATION & PRESENTATIONS IN EMINARS/SYMPOSIA/WORKSHOPS/ CONFERENCES:

Sl. No.	Topic	Period		Venue
		From	To	
1.	Participated in A One-week National Level Online Faculty Development Programme on “Recent Trends in Green Energy Initiatives and Soft Computing Techniques”	11-07-2023	15-07-2023	Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.
2.	Webinar on Intellectual Property Rights Program	12-05-2022	12-05-2022	HSIT, Nidasoshi
3.	Software Engineering and Testing Methodologies	16-03-2022	19-03-2022	HSIT, Nidasoshi
4.	Four days workshop on “MatLab and Simulink”	08-12-2021	11-12-2021	HSIT, Nidasoshi
5.	AICTE Sponsored One Week Online Short Term Training Program on “Battery Management and Control Techniques in Electric Vehicles”	7 -12-2020	12-12 2020	HSIT, Nidasoshi

6.	Attended a webinar on “Energy and Environment Problems Facing the Third World and their Probable Solutions for Sustainable Development and Poverty Alleviation” by Dr. D. P. Kothari, Ex. Director IIT, Delhi and Ex. Vice-Chancellor, VIT, Vellore.	27-07-2020	27-07-2020	Hirasugar Institute of Technology, Nidasoshi
7.	Participated in Online Quiz on “Electrical Basics for Professionals”.	30-06-2020	30-06-2020	KLE Institute of Technology, Hubballi and HESCOM, Hubballi
8.	Attended four days faculty development program on “ Power Quality and Reactive Power Management”	01-06-2020	05-06-2020	Sharad institute of technology, college of engg., Yadrav
9.	One week workshop on“Recent Trends in Power Systems” Organised by the Department of Electrical Engineering	22-06-2020	26-06-2020	Sharad Institute of Technology College of Engineering ,Yadrav
10.	Attended four days faculty development program on “Machine Learning and Data Analytics” sponsored by VGST, Govt. of Karnataka.	08-01-2020	11-01-2020	HSIT, Nidasoshi
11.	Attended four days workshop on “Baiscs of MATLAB and Simulink”	19-09-2019	22-09-2019	HSIT, Nidasoshi
12.	Internet of things and its real time application	28-01-2019	02-02-2019	HIT. Nidasoshi
13.	Effective conduction of basic electrical engineering laboratory	03-08-2018	03-08-2018	HIT Nidasoshi
14.	Attended faculty enrichment program on “power system analysis-1”	24-01-2018	28-01-2018	VTU Belgavi
15.	Workshop on “NBA SAR filling &preparedness for assessment”	15-09- 2017	17-09- 2017	HIT Nidasoshi
16.	Attended a national workshop on “Smatr Grid-2015”	6-11-2015	7-11-2015	GIT Belgavi
17.	Attended a FDP on “Computer aided electrical drawing (using AutoCAD)	12-12-2013	14-12-2013	HIT Nidasoshi
18.	Participated in the workshop on	31-10-2013	31-10-2013	SDM Dharwad

	“Statistical Methods and Tools in Engineering Research”			
19.	Attended FDP on” Research methodologies & effective teaching skills “	08-02-2013	08-02-2013	VSM INSTITUTE OF TECH. Nipani
20.	National Workshop on “Applications of Mathematics in Engineering”	30-08-2013	31-08-2013	HIT Nidasoshi
21.	Participated in Two days national workshop on “Power quality issues & solutions”	3-11-2009	4-11-2009	GIT Belgaum

### 15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- 1 Conducted various workshops, FDP’s, competitions & events both national & institute level as Department Association coordinator.
- 2 Achieved 100% result in the subjects like Computer Techniques in Power System Analysis, Power System Operation & Control.

### 16. ANY OTHER SIGNIFICANT INFORMATION:

- 1 Completed NPTEL Online Certification on “Electrical Machines- I”, Sep-Dec 2020 (12-Week Course), Conducted by IIT – Kharagpur.
- 2 Completed NPTEL Online Certification on “Student Psychology”, Aug-Nov 2020 (8-Week Course), Conducted by National Institute Of Technical Teachers Training And Research, Chennai.

**Prof. Hemalata R. Zinage**